	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments or Definition	Error Errors
1	BRS	L1	403	TFPI	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 06:59		0
2	BRS	L2	50	TFPI-2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 06:59		0
3	BRS	L3	68	kunitz same (domain adj 1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:00		0
4	BRS	L4	20	kunitz same (domain adj 2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:00		0
5	BRS	L5	68	(1 or 2) same (3 or 4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:01		0
6	BRS	L6	4	5 same (chimeric or fusion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:19		0
7	BRS	L7	4175	glycosaminoglycan	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:19		0
8	BRS	L8	314	heparin adj binding adj domain	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:20		0
9	BRS	L9	342	protease adj nexin$1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:20		0
10	BRS	L10	0	6 same (7 or 8 or 9)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/04 07:20		0

=> d his

(FILE 'HOME' ENTERED AT 07:23:20 ON 04 DEC 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA'
ENTERED AT
07:23:45 ON 04 DEC 2002
L1   3347 S TFPI
L2   221 S TFPI-2
L3   42 S KUNITZ (P) (DOMAIN 1)
L4   32 S KUNITZ (P) (DOMAIN 2)
L5   30 S (L1 OR L2) (P) (L3 OR L4)
L6   2 S L5 (P) (CHIMERIC OR FUSION)
L7   2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8   70335 S GLYCOSAMINOGLYCAN
L9   2924 S HEPARIN BINDING DOMAIN
L10   728 S PROTEASE NEXIN-1
L11   3 S L9 (P) L10
L12   1 S L7 (P) (L8 OR L11)

=> log y

=> s tfpi
L1   3347 TFPI

=> s tfpi-2
L2   221 TFPI-2

=> s kunitz (p) (domain 1)
L3   42 KUNITZ (P) (DOMAIN 1)

=> s kunitz (p) (domain 2)
L4   32 KUNITZ (P) (DOMAIN 2)

=> s (l1 or l2) (p) (l3 or l4)
L5   30 (L1 OR L2) (P) (L3 OR L4)

=> s l5 (p) (chimeric or fusion)
L6   2 L5 (P) (CHIMERIC OR FUSION)

=> duplicate remove l6
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L6
L7   2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)

=> d l7 1-2 ibib abs

L7   ANSWER 1 OF 2   BIOSIS   COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:340475   BIOSIS
DOCUMENT NUMBER: PREV200100340475
TITLE: Chimeric proteins.
AUTHOR(S):   Innis, Michael A.; Creasey, Abla A.
                     ASSIGNEE: Chiron Corporation
PATENT INFORMATION: US 6174721 January 16, 2001
SOURCE: Official Gazette of the United States Patent and Trademark
                     Office Patents, (Jan. 16, 2001) Vol. 1242, No. 3, pp. No
                     Pagination. e-file.
                     ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
AB   ***Chimeric***   proteins possessing   ***Kunitz***   -type
        domain   ***1***   of   ***TFPI*** - ***2***   and
        Kunitz -type   ***domain***   ***2***   of   ***TFPI***   are
     disclosed, as are muteins of   ***TFPI***   and   ***TFPI*** - ***2***
     . Nucleic acid sequences, expression vectors and transformed host cells
     encoding and capable of producing the disclosed   ***chimeric***

proteins and muteins are also disclosed. Finally, methods for prevention and treatment of septic shock ●ing the ***chimeric*** pro●ns and muteins are disclosed.

L7   ANSWER 2 OF 2   CAPLUS   COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:295080 CAPLUS
DOCUMENT NUMBER: 124:325361
TITLE: Chimeric proteins and muteins of tissue factor pathway
                         inhibitors TFPI and TFPI-2
INVENTOR(S):   Innis, Michael A.; Creasey, Alba A.
PATENT ASSIGNEE(S):   Chiron Corporation, USA
SOURCE: PCT Int. Appl., 67 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9604378	A2	19960215	WO 1995-US9464	19950725
WO 9604378	A3	19960314		
W: AU, CA, JP, MX				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5589359	A	19961231	US 1994-286521	19940805
US 5563123	A	19961008	US 1995-437841	19950509
US 5696088	A	19971209	US 1995-436175	19950509
CA 2196290	AA	19960215	CA 1995-2196290	19950725
AU 9531500	A1	19960304	AU 1995-31500	19950725
AU 710535	B2	19990923		
EP 776366	A1	19970604	EP 1995-927478	19950725
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10503375	T2	19980331	JP 1995-506598	19950725
US 6174721	B1	20010116	US 1997-943682	19971014

PRIORITY APPLN. INFO.:   US 1994-286521   A   19940805
                            US 1995-438184   B1 19950509
                            WO 1995-US9464   W   19950725

AB   ***Chimeric***   proteins possessing   ***Kunitz*** -type
        domain   ***1***   ot   ***TFPI*** - ***2***   and
        Kunitz -type   ***domain***   ***2***   of   ***TFPI***   are
        provided, as are muteins of ***TFPI*** and ***TFPI*** - ***2*** .
        Nucleic acid sequences, expression vectors, and transformed host cells
        encoding and capable of producing the disclosed   ***chimeric***
        proteins and muteins are also provided.   ***Chimeric***   proteins were
        constructed with amino acid sequences capable of binding a cell surface
        component (glycosaminoglycan, heparin) such as peptide moieties from
        protease nexin-1, protease nexin-2, antithrombin III, heparin cofactor II,
        protein C inhibitor, platelet factor 4, bovine pancreatic trypsin
        inhibitor, and ghilanten-related inhibitors. The   ***chimeric***
        proteins are produced as yeast .alpha.-factor   ***fusion***   proteins
        for secretion, or alternatively, may be expressed as a ubiquitin
        fusion   protein. Potential sites for N-liked glycosylation within
        TFPI   (Asn116.fwdarw.Gln, Asn227.fwdarw.Gln) are removed using
        overlapping PCR and mutations och1, mn1, and alg3 are introduced in
        transformed yeast cells to prevent the prodn. of .alpha.-1,6-polymannose
        terminal carbohydrate moieties in the   ***chimeric***   products.
        Finally, methods for prevention and treatment of septic shock using the
        chimeric   proteins and muteins are described.

=> d his

        (FILE 'HOME' ENTERED AT 07:23:20 ON 04 DEC 2002)

        FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
        07:23:45 ON 04 DEC 2002
L1   3347 S TFPI
L2   221 S TFPI-2
L3   42 S KUNITZ (P) (DOMAIN 1)
L4   32 S KUNITZ (P) (DOMAIN 2)
L5   30 S (L1 OR L2) (P) (L3 OR L4)
L6   2 S L5 (P) (CHIMERIC OR FUSION)

L7   2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)

```
=> s glycosaminoglycan
L8        70335 GLYCOSAMINOGLYCAN

=> s heparin binding domain
L9         2924 HEPARIN BINDING DOMAIN

=> s protease nexin-1
L10         728 PROTEASE NEXIN-1

=> s l9 (p) l10
L11          3 L9 (P) L10

=> s l7 (p) (l8 or l11)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L72 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L78 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L80 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L82 (P) '
L12          1 L7 (P) (L8 OR L11)

=> d his

        (FILE 'HOME' ENTERED AT 07:23:20 ON 04 DEC 2002)

        FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
        07:23:45 ON 04 DEC 2002
L1         3347 S TFPI
L2          221 S TFPI-2
L3           42 S KUNITZ (P) (DOMAIN 1)
L4           32 S KUNITZ (P) (DOMAIN 2)
L5           30 S (L1 OR L2) (P) (L3 OR L4)
L6            2 S L5 (P) (CHIMERIC OR FUSION)
L7            2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8        70335 S GLYCOSAMINOGLYCAN
L9         2924 S HEPARIN BINDING DOMAIN
L10         728 S PROTEASE NEXIN-1
L11           3 S L9 (P) L10
L12           1 S L7 (P) (L8 OR L11)

=> log y
```